

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-08-05 14:10:54  
 Date of Next Testing: 2026-08-04 14:10:54  
 Product Name: **1,2,4-Triazole-3-carboxylic acid**  
 CAS Number: 4928-87-4  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: G2325150  
 SKU #: **T170575**  
 Version: **0**  
 Analysis #: **246667**  
 Storage Temperature: Room temperature

| Parameter                      | Limit Values                                   | Result                                         |
|--------------------------------|------------------------------------------------|------------------------------------------------|
| Melting point                  | 132-136 (°C)                                   | 133.70000 °C                                   |
| Nitrogen by Elemental Analysis | 35.8-38.5 (%)                                  | 38.49000 %                                     |
| Carbon by Elemental Analysis   | 30.7-33 (%)                                    | 31.76400 %                                     |
| Appearance (T170575)           | White to Light Yellow to Beige to Brown powder | White to Light Yellow to Beige to Brown powder |
| Proton NMR spectrum            | Conforms to Structure                          | Conforms to Structure                          |



John Su  
QA & QC Manager